VERA
WATER & POWER

601 N. Evergreen Road
P.O. Box 630
Veradale, WA 99037-0630
(509) 924-3800

February 27, 1997

Ms. Cindy Christian
Water Resources Program
Washington State Department of Ecology
Eastern Regional Office
4601 No. Monroe, Suite 202
Spokane, WA 99205-1295

RE: Applications for Change

Dear Cindy:

Enclosed are several items as we discussed at our last meeting:

1. Applications for change for 8 of our permits
2. Requests to amend three outstanding applications for change.
3. A summary paper of our existing system and plans for the future.
4. SEPA checklist for the 8 new applications.
5. **Not included** is an evaluation of the population growth potential for our service area and the resulting final request for 20 year projections for peak pumping and annual withdrawal, we have included an estimate.
6. The fees for this proposal.

Please let us know if any of these documents need additional work. We will submit final numbers on the peak pumping and annual withdrawal as soon as we have the final data. Thanks for your help with these changes.

Sincerely,

Kevin M. Wells
General Manager

DATE PRINTED: 02/07/9[illegible]

UPDATED

DATE UPDATED: 02/06/9[illegible]

Washington State Department of Health
Environmental Health

FILE COPY

WATER FACILITIES INVENTORY (WFI)

Read instructions on back before completing

1. SYSTEM ID NO.	2. COUNTY	GROUP	TYPE	WRIA
914505	SPOKANE	A	COMM	57

3. SYSTEM NAME: VERA WATER & POWER

STREET ADDRESS: 601 N EVERGREEN RD

P.O. BOX (IF APPLICABLE): PO BOX 630

CITY: VERADALE STATE: ZIP CODE:

4. OWNER'S NAME (LAST, FIRST): VERA WATER AND POWER OWNER NO.: 6206

STREET ADDRESS: 601 N EVERGREEN RD

P.O. BOX (IF APPLICABLE):

CITY: VERADALE STATE: WA ZIP CODE: 99037

5. SYSTEM CONTACT PERSON: KEVIN WELLS TITLE: GENERAL MANAGER

DAY TELEPHONE: 509-924-3800 EVENING TELEPHONE: 509-922-0038

6. OWNERSHIP (CHECK ONE ONLY)

- [ ] PRIVATE: NON-PROFIT
- [ ] PRIVATE: FOR-PROFIT
- [X] LOCAL GOVERNMENT (COUNTY / CITY / PUD / WATER DISTRICT)
- [ ] STATE
- [ ] FEDERAL

7. PREDOMINANT CHARACTERISTIC (CHECK ONE ONLY)

- [X] RESIDENTIAL
- [ ] RECREATIONAL
- [ ] BUSINESS / INDUSTRIAL / AGRICULTURAL / COMMERCIAL
- [ ] LODGING / FOOD SERVICE
- [ ] SCHOOL / DAY CARE
- [ ] OTHER (CHURCHES, ETC.)

WFI COMPLETED BY: TITLE:

DAY TELEPHONE: DATE:

8. SUBMITTED FOR: [ ] NEW SYSTEM [ ] SYSTEM NAME CHANGE* [ ] NO CHANGE [ ] UPDATE [ ] REACTIVATE [ ] DELETE

* OLD SYSTEM NAME - ENTER ONLY IF CHANGING WITH **THIS** WFI

SYSTEMS SERVING ANY RESIDENTS (PEOPLE LIVING IN A DWELLING SERVED BY THE SYSTEM) COMPLETE THIS SECTION

9. NUMBER ACTIVE RESIDENTIAL **CONNECTIONS**	10. NUMBER ACTIVE RESIDENTIAL **POPULATION**
5231	17,524

SYSTEMS SERVING ANY NON-RESIDENTS (I.E., TRAVELERS, EMPLOYEES, STUDENTS, ETC.) COMPLETE THIS SECTION

11. NUMBER NON-RESIDENTIAL CONNECTIONS

12. ENTER **AVERAGE DAILY** NON-RESIDENTIAL POPULATION SERVED FOR EACH MONTH. MAKE ENTRY FOR EACH MONTH

JAN	APR	JULY	OCT.
FEB.	MAY	AUG.	NOV.
MAR	JUNE	SEP	DEC.

13. DOES THE SYSTEM SERVE AT LEAST 25 OF THE SAME NON-RESIDENTS FOR 4 OR MORE DAYS PER WEEK FOR AT LEAST 180 DAYS PER YEAR?

[ ] YES [X] NO

14. TOTAL NUMBER CONNECTIONS METERED	15. DISTRIBUTION RESERVOIR(S) TOTAL CAPACITY
5,303	3,650,000 GALLONS

16. DOH SOURCE NUMBER	17. SOURCE NAME (LIST UTILITY'S NAME FOR SOURCE. IF SOURCE IS PURCHASED OR INTERTIED, LIST SELLER'S ID # AND NAME USING FOLLOWING FORMAT: ####X / NAME. EXAMPLE: 47050Y / SEATTLE)	18. SOURCE CATEGORY: WELL	WELL FIELD	SURFACE	SPRING	RANNEY / IF GAL	INTERTIE	PURCHASED TREATED	PURCHASED UNTREATED	19. USE: PERMANENT	SEASONAL	EMERGENCY	20. SOURCE METERED	21. TREATMENT: NONE	CHLORINATION	FILTRATION	FLUORIDATION	OTHER	22. WELL DEPTH (FEET)	23. SOURCE CAPACITY (GPM)	24. SOURCE LOCATION: 1/4, 1/4 SEC.	SEC. NO.	TWP	RNG.
S01	WELL # 1	X								X			Y	X					156	3,600	NE/SE	15	25N	44E
S02	WELL # 2	X								X			Y	X					265	4,500	NE/SE	15	25N	44E
S03	WELL # 3	X								X			Y	X					176	5,400	SE/SE	22	25N	44E
S04	WELL # 4	X								X			Y	X					160	1,100	NE/SW	26	25N	44E
S05	WELL # 5	X								X			Y	X					[illegible]	[illegible],000	NW/NW	26	25N	44E
S06	WELL # 6	X								X			Y	X					[illegible]	4,000	SE/NE	22	25N	44E
S07	WELL # 7	INACTIVE 05/01/1991																						
S08	WELL # 8	X								X			Y	X					215	3,200	NE/SE	23	25N	44E
S09	WELL # 9	X								X			Y	X					240	3,950	NE/SE	23	25N	44E

SWTR EVALUATION

MINIMUM REQUIRED BACTERIOLOGICAL SAMPLING SCHEDULE

25.	26.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
		20	20	20	20	20	20	20	20	20	20	20	20

NO. APPROVED SERVICES (PER PLANS): 0

DATE OF LAST SANITARY SURVEY: 00 00 0000 BY DOH [ ] LHD [ ]

SYSTEM IN CRITICAL WATER SUPPLY SERVICE AREA? N [ ] YES [ ] NO GW MGMT AREA? [ ] YES [ ] NO FOR LHD USE ONLY

EFFECTIVE DATE RETRO. CHANGES | SIGNATURE OF DOH REVIEWER | DATE

VERA WATER AND POWER
WATER RIGHTS - APPLICATIONS FOR CHANGE
MARCH 1997

I. Introduction

This paper has been prepared to complement the applications for change that are being presented at this time and three pending applications for change that need to be amended. These proposed changes to the District's permits, certificates and rights should address the recent changes required by the relocation of Well No. 2, correct errors in existing paper work, integrate the entire system and project the water needs for the District for the next 20 years.

The District experienced a period of activity from 1986 through 1995 where water levels in wells fell to levels making them unusable, pumping facilities were moved from well to well, and where major pumping facilities had to be constructed or relocated. This has resulted in the need for several permits to be modified and new permits to applied for.

During this time we have drilled test wells at several locations to investigate the ability to withdraw water in different locations. We have found that there is limited access to the aquifer at No. 4, No. 5, No. 3, and property we own at 16th and Sullivan. We have found excellent conditions for pumping at No. 2, No. 6 and No. 8-9-10. This has led us to modify our future plans and present the applications for change in their current manner.

II. Existing Use

Exhibit "A" (Next Page) shows the current use of the eleven wells covered by the existing eleven permits. The existing permits total 36,200 Gpm peak pumping, of which the District is using 30,600 Gpm. Although the total actual pump capacity is within the permitted total, the pump capacity at Well field No. 3 actually exceeds the permitted capacity slightly.

Current Status
Vera Irrigation District No. 15
Wells and Rights

February 1997

Well No.	Location	Sec	Twn	Rng	Right Ggpm / Acre Feet Restrictions	Right Ggpm / Acre Feet Restrictions	Right Ggpm / Acre Feet Restrictions	Current Use - Gpm	Current Use - Gpm
1	NE 1/4 of SE 1/4	15	25	44	709-D 7100 / 3893			350HP 3500 Gpm	75HP 500 Gpm
21	NE 1/4 of SE 1/4 (Wellfield 2)	14	25	44	710-D 6000 / 8895 (Moved Legal Wrong)	**Application Pending**		300HP 3000 Gpm	
22	NE 1/4 of SE 1/4 (Wellfield 2)	14	25	44	710-D 6000 / 8895 (Moved Legal Wrong)	**Application Pending**		250HP 2500 Gpm	
3	SE 1/4 of SE 1/4 (Wellfield 3)	22	25	44	711-D 6300 / 8895			150HP 2800 Gpm (W / Booster)	150HP 2800 Gpm (W / Booster)
33	SE 1/4 of SE 1/4 (Wellfield 3)	22	25	44	711-D 6300 / 8895 (New Well -Not Listed)	**Application Pending**		100HP 1000 Gpm	
4	NE 1/4 of SW 1/4	26	25	44	712-D 3400 / 8893 (Irrigation)	Change 1-3-445 (Changed to Municipal)	G3-27084 P 13400 / 10081	150HP 1200 Gpm	
5	NW 1/4 of NW 1/4	26	25	44	713-D 1400 / 8893 (Irrigation)	Change 897 (Changed to Municipal)	5471-A 3100 / 3360 (Community of Veradale)	250HP 2200 Gpm	
6	SE 1/4 of NE 1/4	22	25	44	6672-A 4000 / 3640 (April - September)	896-D 1100 / 365 (Legal Wrong - Land Limited)	G3-27084 P 13400 / 10081	500HP 4000 Gpm	
7	NE 1/4 of NW 1/4	23	25	44	626-A 300 / 203 (Land Limited)	995-D 300 / 203 (Land Limited)			
8	NE 1/4 of SE 1/4 (Wellfield 8-9-10)	23	25	44	G3-27084 P 13400 / 10081			400HP 3800 Gpm	
9	NE 1/4 of SE 1/4 (Wellfield 8-9-10)	23	25	44	G3-27084 P 13400 / 10081			400HP 3300 Gpm	
Totals					36,200 Gpm 10,081 Acre Feet per Year			30,600 Gpm	

The maximum annual withdrawal appears to be 10,081 Acre Feet per Year. This amount occurs on Permit No. G3-27084 P. The actual annual use for the entire District peaked at approximately 9,400 Acre Feet per Year in 1994. The total use for the District has exceeded the total permitted amount in the past. However, since the elimination of the unmetered irrigation system and metering of all water in 1985, the peak use has not exceeded the permitted total.

Year	Water Withdrawn In Gallons
1985	2,425,995,000
1986	2,416,442,500
1987	2,403,147,300
1988	2,298,448,150
1989	2,127,504,200
1990	2,037,389,600
1991	2,398,292,300
1992	2,252,399,300
1993	2,318,954,000
1994	3,060,806,000
1995	2,380,193,000
1996	2,498,138,000

At this time the water from all of the wells is pumped into a common distribution system, from which all uses take their water. All water used, except for fire protection, is metered. All irrigation, domestic, commercial, industrial water is delivered through meters. Only fire hydrants and fire sprinkler systems are unmetered (sprinkler systems require detection equipment that sets off an alarm if there is any water flow).

All wells are used on a continuous basis except for Well No. 1, which is winterized because the discharge piping is exposed to the elements. There is a plan to insulate this piping so that this pump can be used all year. This well is located at our main office site and would be ideal for standby generation which would run both the pump and our office.

III. Changes Required to Existing Permits

The following table lists the different permits, the well they apply to and the changes that are needed to match the existing use of the facilities:

Permit No.	Well No.	Application for Change	
709-D	1	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
710-D	21	a.	Change permit to reflect current use of well.
	22	b.	Change permit to include all wells and integrate the entire system.
		c.	Change location of well to reflect abandonment of the two old wells and the drilling of the two new wells. (The existing permit only lists one well.)
711-D	3	a.	Change permit to reflect current use of well.
	33	b.	Change permit to include all wells and integrate the entire system.
		c.	Change permit to add second well (No. 33) to this site. County paid for this well as compensation for abandonment of old well at Valleyway and Sullivan.
712-D w/ Change No. 1-3-445	4	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
713-D w/Change No. 897	5	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.

5471-A	5	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
		c.	Change place of use from "Community of Veradale" to "the area served by Vera Irrigation District No. 15".
6672-A	6	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
		c.	Change time of use to Continuous.
896-D	6	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
		c.	Change location of the point of withdrawal to correct location within the SE 1/4 of the NE 1/4 of Section 22-25-44. The existing permit incorrectly locates this well within the SE 1/4 of the NW 1/4 of Section 22-25-44.
		d.	Change the place of use to "the area served by Vera Irrigation District No. 15".
626-A	7	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
		c.	Change the place of use to "the area served by Vera Irrigation District No. 15".
995-D	7	a.	Change permit to reflect current use of well.
		b.	Change permit to include all wells and integrate the entire system.
		c.	Change the place of use to "the area served by Vera Irrigation District No. 15".

G3-27084P	4	a.	Change permit to reflect current use of well.
	6	b.	Change permit to include all wells and integrate
	8		the entire system.
	9		

VI. Current and Future Service Areas

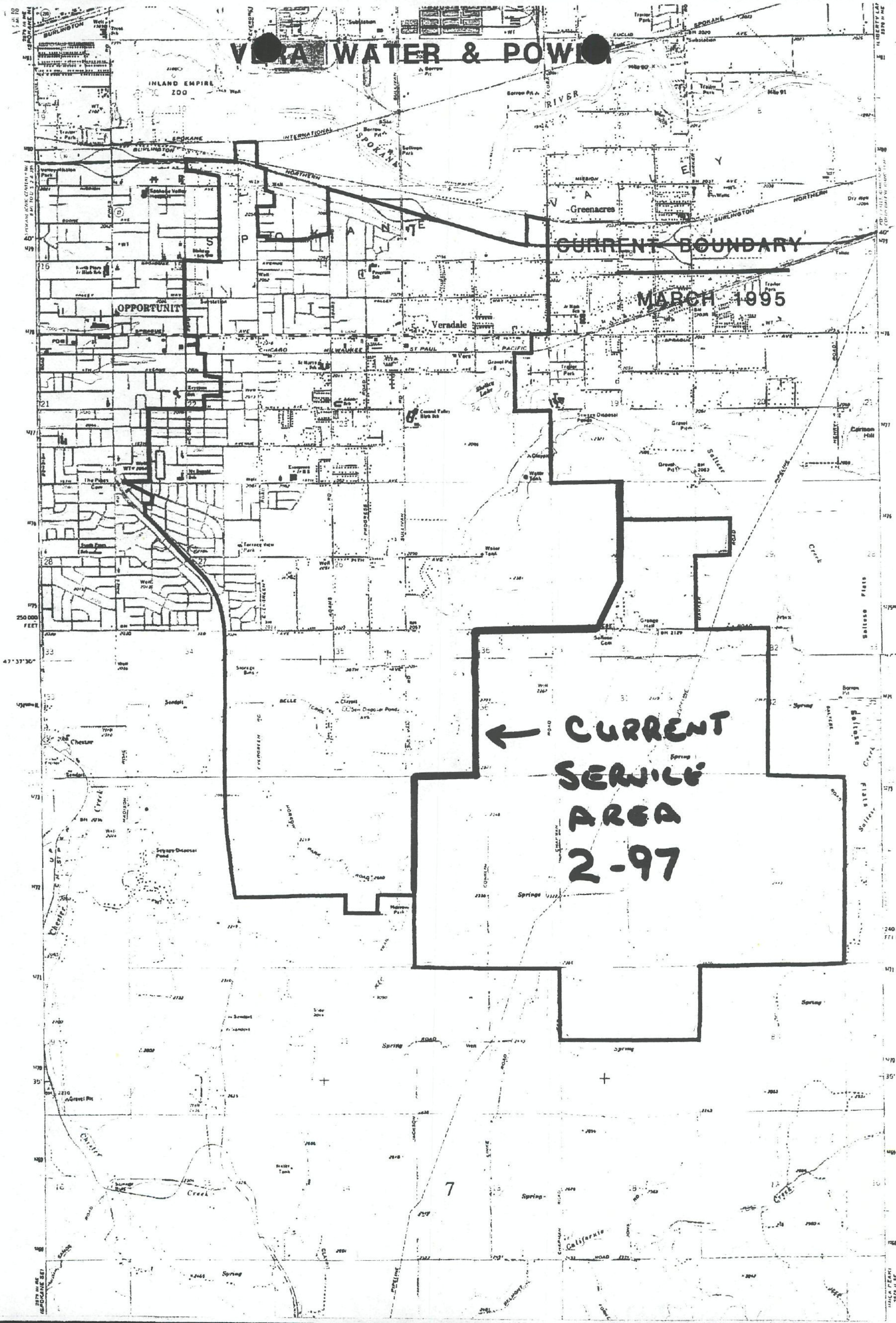
The maps on page 7 and 8 show the current areas of service and the anticipated areas that will need service in the next 20 years. Vera is currently updating their long range plan. This plan projects 20 years into the future. Vera is using this 20 year criteria in these applications for change to be consistent with the plan.

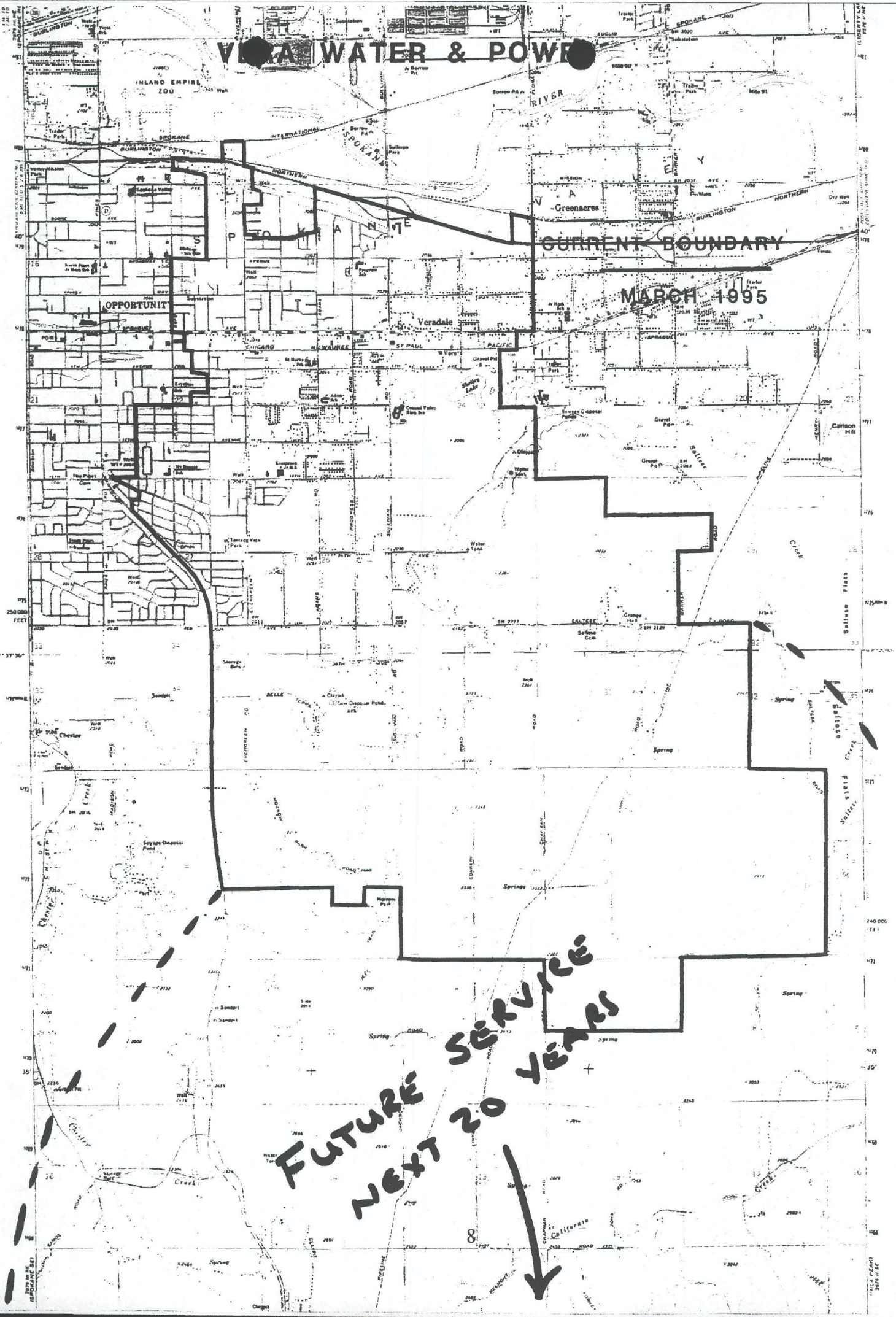
Over the past couple of years, Vera has had discussions with several individuals and organizations representing land in the area marked as future service. Most of this land has been included in one proposal for water service, some in several. There have been discussions with parts of Mica and Freeman. The local water conditions are worsening and it appears that within the 20 year planning horizon, much of the water for this area will be pumped from the Valley Aquifer.

V. Future Well Sites

Over the last ten years Vera has drilled test wells at property Vera own's at 16th and Sullivan, Well No. 2, Well No. 3, Well No. 4, and Well No. 8-9. The results of these test wells and historical records have shown us that the locations for future wells are limited.

16th and Sullivan	This site showed high clay contents and poor aquifer depth. Wells on this site would have limited production.
No. 2	The new No. 2 site showed extremely good potential for wells, 4 additional wells could be drilled on this site.


WATER &
CURRENT BOUNDARY
MARCH 1995
CURRENT SERVICE AREA 2-97
INLAND EMPIRE ZOO
Greenacres
OPPORTUNITY
Veradale
RIVER


VERA WATER & POWER
CURRENT BOUNDARY
MARCH 1995
FUTURE SERVICE
NEXT 20 YEARS
SPOKANE
VALLEY
Greenacres
Veradale
OPPORTUNITY
INLAND EMPIRE ZOO
SPOKANE RIVER
Carlson Hill
Saltese Flats

No. 3 This site showed good gravel, but a shallow aquifer. Deepening the existing wells, and drilling additional wells on this site would have limited benefit. Any new wells would have limited output.

No. 4 The test well showed that this site has a very shallow aquifer and that the soil just below the existing hand dug well is mostly clay. There is no potential for new wells and the possibility of deepening the existing well would be limited to just a couple of feet. This well also has water almost twice as hard as the rest of the wells in the District, which limits when the well is used.

No. 5 This well is surrounded by sand and has pumped sand into the system in the past. No potential for additional wells exists at this location.

No. 6 This is a large lot in the center of the best test wells, although no test well has been drilled yet, this site has the most potential for additional wells.

No. 8-9 The test well on this site and the two existing production wells are excellent. There is room for one additional well, No. 10, at this site.

As a result of this information we would like to request the following changes to existing permits to reflect our planned future wells:

Permit No.	Well Field	Future Wells
710-D	2	23,24,25,26
6672-A 896-D G3-27084 P	6	62,63,64,65
G3-27084 P	8-9-10	10

Well drilling schedules and sizes will depend on many factors. :

1. Operating economics of many small wells vs. fewer large wells.
2. Construction economics of many small wells vs. fewer large wells.
3. Cost of power (on peak vs. off peak).
4. Construction and operating economics of storage vs. wells.
5. Remaining well drilling sites.

VI. Future Demand and Annual Withdrawal

As referenced earlier, the District is currently preparing the update to the long range plan. This plan will look at the land use within the future service area, evaluate the effects of the Growth Management Act and project growth for the next 20 years.

From this information the District expects to identify the potential for future instantaneous needs and for additional annual withdrawal. This information will be finalized within the next couple of months. Until that time we are estimating that the peak demand will be approximately 42,000 Gpm and the annual withdrawal will be approximately 14,000 acre feet per year. Please use this information for these permit applications until such time as the long range water plan is completed and forwarded for your use.

The actual drilling of wells will be based on this information, the economics and operating characteristics of fewer large wells vs. more smaller wells and on the cost of additional storage capacity.

VII. Costs

We understand the costs of these applications are as follows:

Permit	Cost
709-D	$32.00
710-D	Paid
711-D	Paid
712-D	$16.00

713-D	$10.00
5471-A	$14.00
6672-A	$18.00
896-D	$10.00
626-A	$10.00
995-D	$10.00
G3-27084 P	Paid
Total	$120.00

The check for this amount is attached.

VIII. SEPA

An environmental checklist and determination of non-significance has been completed and was included for the pending applications for change to permits no. 710-D, 711-D, and G3-27084 P. The proposed changes to this information is minor, and would not change the determination previously made for these applications. Attached is a draft checklist for the 8 new applications for change.

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W044854

UNIQUE WELL I.D. # AAL 531

Water Right Permit No. 710-D

1) **OWNER:** Name VERA IRRIGATION DIST # 15 Address NORTH 601 EVERGREEN RD. VERADALE WA

LOCATION OF WELL: County SPOKANE NE 1/4 SE 1/4 Sec 14 T. 25 N R. 44 W.M.

2a) **STREET ADDRESS OF WELL** (or nearest address) SPRINGFIELD & SULLIVAN RD

3) **PROPOSED USE:** ☐ Domestic ☐ Industrial ☐ Municipal ☐ ☐ Irrigation ☐ Test Well ☒ Other ☐ ☐ DeWater

4) **TYPE OF WORK:** Owner's number of well (if more than one) 2-A

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

5) **DIMENSIONS:** Diameter of well 6 inches. Drilled 300 feet. Depth of completed well 300 ft.

6) **CONSTRUCTION DETAILS:**

Casing installed: 6 " Diam. from +4 ft. to 300 ft.
Welded ☒
Liner installed ☐
Threaded ☐
" Diam. from ft. to ft.
" Diam. from ft. to ft.

Perforations: Yes ☒ No ☐
Type of perforator used MILLS KNIFE
SIZE of perforations 1/4" in. by 2 1/2" in.
160 perforations from 229 ft. to 249 ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☐ No ☒
Manufacturer's Name
Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 30 ft.
Material used in seal NEAT CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? Depth of strata
Method of sealing strata off

(7) **PUMP:** Manufacturer's Name
Type: H.P.

(8) **WATER LEVELS:** Land-surface elevation above mean sea level ft.
Static level 107 ft. below top of well Date 4/14/94
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test gal./min. with ft. drawdown after hrs.
Airtest gal./min. with stem set at ft. for hrs.
Artesian flow g.p.m. Date
Temperature of water 50° Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
GRAVEL + SAND 3" MINUS	0	119
★ COARSE SAND	119	148
★ SAND + GRAVEL 2" MINUS	148	171
★ SAND + GRAVEL 4" MINUS	171	183
★ MED SAND	183	190
★ SAND + GRAVEL 2" MINUS	190	249
★ MED SAND + GRAVEL 1" MIN	249	293
★ FINE SAND	293	296
★ SAND + GRAVEL 1" MINUS	296	300
★ WATER BEARING ZONES		

RECEIVED
APR 12 [redacted]
[redacted]

Work Started MARCH 24 19[redacted] Completed APRIL 14 19 94

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLMAN DRILLING CORP (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address E3410 9TH AVE SPOKANE WA

(Signed) Arnold E Holman (WELL DRILLER) License No. 0189

Contractor's Registration No. 227,758 1+1 Date OCT 10 19 94

(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W 044855
UNIQUE WELL I.D. # AAL 532
Water Right Permit No. 710-D

(1) OWNER: Name VERA IRRIGATION DIST #15 Address NORTH 6001 EVERGREEN RD. VERADALE WA.

(2) LOCATION OF WELL: County SPOKANE NE 1/4 SE 1/4 Sec 14 T. 25 N. R. 44 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) SPRINGFIELD & SULLIVAN RD.

(3) PROPOSED USE: ☐ Domestic ☒ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☐ Municipal ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) 2-1
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20 inches. Drilled 265 feet. Depth of completed well 265 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 20 " Diam. from +4 ft. to 211 ft.
Welded ☒ Liner installed ☐ Threaded ☐ _____ " Diam. from _____ ft. to _____ ft.
_____ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. TELESCOPE
Diam. 20 Slot size 200 from 210 ft. to 265 ft.
Diam. ____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal NEAT CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 107 ft. below top of well Date MAY 25/94
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 2500 gal./min. with 1.3" ft. drawdown after 1 hrs.
" 3500 " 1'10" " 4 "
" 5000 " 2'8" " 8 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	109'8"				
1 MIN	107'				

Date of test MAY 25 1994
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50° Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

	MATERIAL	FROM	TO
	GRAUEL & SAND	0	119
★	COARSE SAND	119	148
★	SAND & GRAUEL 2" MINUS	148	171
★	SAND & GRAUEL 4" MINUS	171	183
★	MED SAND	183	190
★	SAND & GRAUEL 2" MINUS	190	249
★	MED SAND & GRAUEL 1" MINUS	249	265

★ WATER BEARING ZONES

RECEIVED
OCT 12 1994
WATER RESOURCES PROGRAM

Work Started APRIL 15, 1994 Completed MAY 27, 1994

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLMAN DRILLING CORP (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address E 3410 9TH AVE SPOKANE WA
(Signed) Donald E. Holman (WELL DRILLER) License No. 0189
Contractor's Registration No. 227,758 L+I Date OCT. 10, 1994

(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W045502

UNIQUE WELL I.D. # AAL 533

Water Right Permit No. 710-D

OWNER: Name VERA IRRIGATION DIST # 15 Address NORTH 601 EVERGREEN RD. VERA DALE WA.

(2) LOCATION OF WELL: County SPOKANE NE 1/4 SE 1/4 Sec 14 T 25 (N.) R 44 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) SPRINGFIELD & SULLIVAN RD.

(3) PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal ☒ Irrigation ☐ Test Well ☐ Other ☐ ☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) 2-2

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐ Deepened ☐ Cable ☒ Driven ☐ Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20 inches. Drilled 265 feet. Depth of completed well 265 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 20" Diam. from +4 ft. to 211 ft.
Welded ☒ _____" Diam. from _____ ft. to _____ ft.
Liner installed ☐ _____" Diam. from _____ ft. to _____ ft.
Threaded ☐

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. TELESCOPE
Diam. 20 Slot size 200 from 210 ft. to 265 ft.
Diam. ____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 22 ft.
Material used in seal NEAT CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 107 ft. below top of well Date July 11/94
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50° Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
GRAVEL + SAND	0	119
★ COARSE SAND	119	148
★ SAND + GRAVEL 2" MINUS	148	171
★ SAND + GRAVEL 4" MINUS	171	183
★ MED SAND	183	190
★ SAND + GRAVEL 2" MINUS	190	249
★ MED SAND + GRAVEL 1" MINUS	249	265

★ WATER BEARING ZONES

RECEIVED OCT 12 1994

Work Started JUNE 2, 19 94 Completed July 12, 19 94

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLMAN DRLING CORP (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address E3410 9TH AVE SPOKANE WA.

(Signed) Ronald E. McEwen (WELL DRILLER) License No. 0189

Contractor's Registration No. 227,758 L+I Date OCT 10, 19 94

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

No. Decla. #693
Cert. #709-D

Date 1908, 19

Record by W. R. Longacre

Source Decla. Claim of G. W.

DIAGRAM OF SECTION

Location: State of WASHINGTON

County Spokane

Area

Map

NE ¼ SE ¼ sec 15 T. 25 N., R. 44 E. W.

Drilling Co.

Address

Method of Drilling dug Date 19

Owner Vera Irrigation Dist. #15

Address Veradale, Wash.

Land surface, datum ft. above / below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	no record		
Pump	Test:		
	Dim: 170' x 6'		
	SWL: 140'		
	Dd: 2'		
	Yield: 7100 g.p.m. (Claim)		
	Pump: 6000 g.p.m., 800 g.p.m., 300 g.p.m.		
	Motor: 300 hp, 60 hp, 30hp		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet of sheets

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT
STATE OF WASHINGTON

Start Card No. W045561
UNIQUE WELL I.D. # AAL 534
Water Right Permit No. 710-D

(1) OWNER: Name VERA IRRIGATION DIST # 15 Address NORTH 601 EVERGREEN RD. VERADALE WA.

(2) LOCATION OF WELL: County SPOKANE SE 1/4 SE 1/4 Sec 22 T. 25 N R. 44 W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 16TH & EVERGREEN

(3) PROPOSED USE: ☐ Domestic ☒ Irrigation ☐ DeWater ☐ Industrial ☐ Test Well ☐ Municipal ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (If more than one) 3-3
Abandoned ☐ New well ☒ Deepened ☐ Reconditioned ☐ Method: Dug ☐ Cable ☒ Rotary ☐ Bored ☐ Driven ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20 inches. Drilled 257 feet. Depth of completed well 257 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 20" Diam. from +4 ft. to 210 ft.
Welded ☒ Liner installed ☐ Threaded ☐ _____" Diam. from _____ ft. to _____ ft.
_____" Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. TELESCOPE
Diam. 20 Slot size 160 from 210 ft. to 212 ft.
Diam. 20 Slot size 250 from 212 ft. to 257 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal NEAT CEMENT GROUT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 159 ft. below top of well Date AUG 24/94
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test _____
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airtest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 50 Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
COARSE SAND	0	10
SAND + GRAVEL 3" MINUS	10	160
★ SAND + GRAVEL 3" MINUS	160	198
BOULDER	198	201
★ SAND + GRAVEL 3" MINUS	201	254
★ COARSE GRAVEL 3" MINUS	254	256
GRANITE ROCK	256	257

★ WATER BEARING ZONES

RECEIVED
OCT 12 1994

Work Started JULY 16, 1994 Completed SEPT 10, 1994

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME HOLMAN DRILLING CORP (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)
Address E 3410 9TH AVE SPOKANE WA.
(Signed) Arnold E. Holman (WELL DRILLER) License No. 0189
Contractor's Registration No. 227,758 L+1 Date OCT 10, 1994

(USE ADDITIONAL SHEETS IF NECESSARY)

ile Original and First Copy with
epartment of Ecology
econd Copy — Owner's Copy
hird Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. G3-27084

1) OWNER: Name UERA WATER & POWER Address BOX 630 SPOKANE WA

LOCATION OF WELL: County SPOKANE – SE ¼ SE ¼ Sec. 22 T. 25 N., R. 44E W.M.

earing and distance from section or subdivision corner

3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

4) TYPE OF WORK: Owner's number of well (if more than one): TEST WELL #3
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

5) DIMENSIONS: Diameter of well 6 inches.
Drilled 250 ft. Depth of completed well 250 ft.

6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from +4 ft. to 250 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☒ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☒ No ☐
Type of perforator used MILLS KNIFE
SIZE of perforations ¼ in. by 2 in.
20 perforations from 195 ft. to 200 ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name .....
Type ..... Model No .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name N/A
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 154.5 ft. below top of well Date 2-1-90
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 15 gal./min. with 0 ft. drawdown after 4 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
GRAVEL & SAND 2" MINUS	0	138
GRAVEL & SAND 1" MINUS	138	159
BOULDER ★	159	162
GRAVEL & SAND 1" MINUS ★	162	195
SAND COURSE ★	195	197
GRAVEL & SAND 1" MINUS ★	197	212
GRAVEL & SAND 2" MINUS ★	212	250

★ INDICATES WATER BEARING ZONE

RECEIVED
FEB 6 1990
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started JAN 11, 1990. Completed FEB 9, 1990

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E 3410 9TH AVE

[Signed] Arnold E Holman
(Well Driller)

License No. 0189 Date 3-4, 1990

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG No. Decla. #695

Date 1909 _____, 19___ Cert. #711-D

Record by W. R. Longacre

Source G. W. Decla. Claim

Location: State of WASHINGTON

County Spokane

Area _____

Map _____

SE ¼ SE ¼ sec. 22 T. 25 N., R. 44 E. W.M.

DIAGRAM OF SECTION

Drilling Co. _____

Address _____

Method of Drilling dug Date _____ 19___

Owner Vera Irrigation Dist. #15

Address Veradale, Wash.

Land surface, datum _____ ft. above / below _____

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	no record		
	Pump Test:		
	Dim: 175' x 56"		
	SWL: 145'		
	Dd: 3'		
	Yield: 6300 g.p.m.		
	Pump: Centrifugal, 6000 g.p.m., irrigation; 300 g.p.m., domestic		
	Motor: 300 hp, electric, 30 hp, electric		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet ____ of ____ sheets

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG No. Decla. #997-
Cert. #896-D

Date May 20, 1920

Record by John E. Gray

Source G. W. Decla. Claim

Location: State of WASHINGTON

County Spokane

Area

Map

SE ¼ NW ¼ sec. 22 T. 25 N., R. 44 E. W.

DIAGRAM OF SECTION

Drilling Co.

Address

Method of Drilling dug Date May 15 1947

Owner Vera Irrigation Co.

Address Opportunity, Wash.

Land surface, datum ft. above / below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	no record		
Pump	Test:		
	Dim: 99' x 98"		
	SWL: 77'		
	Dd: 1½'		
	Yield: 1850 g.p.m.		
	Casing: 98" dia. 6" thick concrete from 0' to 38'; 96" dia. ¼" steel casing from 38' to 83'; 84" dia. ¼" steel casing from 83' to 99'.		
	Pump: Pomona 10", turbine		
	Motor: 75 hp, electric		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet of sheets

Appl. 9128
Per. 8689

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

WELL LOG

Record by Driller
Source Driller's record

Location: State of WASHINGTON
County Spokane
Area
Map
SE ¼ NE ¼ sec. 22 T. 25 N., R. 44E. E. W.

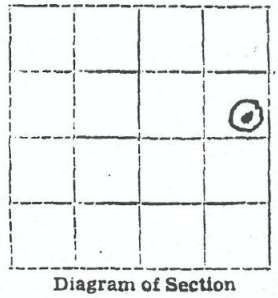


Diagram of Section

Drilling Co. Holman Drilling Corp.
Address E. 3410 9th Spokane, Washington
Method of Drilling cable Date , 19
Owner Vera Irrigation District #15
Address Veradale, Washington
Land surface, datum ft. above / below
SWL: 87.5 Date May 6, 1968 Dims.:

CORRELATION	MATERIAL	From (feet)	To (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	domestic supply and irrigation		
	0-99 drilled by others		
	gravel 2" minus *	99	110
	" 10" minus *	110	120
	" 4" minus *	120	128
	Boulders	128	130
	gravel 4" minus *	130	133
	" 1" minus *	133	140
	" 4 " minus *	140	150
	" 10" minus *	150	160
	* water bearing		
	Casing: 24" from +2' to 134.5'	gage .375	
	Screen: johnson stainless steel 24" telescop		
	24" slot size 165 from 134'	to 139'	
	24" slot size 187 from 139'	to 144'	
	24" slot size 200 from 144'	to 150'	

Turn up

Sheet ..... of ..... sheets

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....
Permit 63-27024

(1) **OWNER:** Name VERA WATER + POWER Address N 601 EVERGREEN VERADALE Wa

(2) **LOCATION OF WELL:** County SPOKANE — SE ¼ NE ¼ Sec 23 T 25 N., R 44 W.M.
Bearing and distance from section or subdivision corner 300FT WEST OF INTESECTION OF SULLIVAN + 8TH S

(3) **PROPOSED USE:** Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

(4) **TYPE OF WORK:** Owner's number of well (if more than one) 8A
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) **DIMENSIONS:** Diameter of well 6 inches.
Drilled 210 ft. Depth of completed well 210 ft.

(6) **CONSTRUCTION DETAILS:**
Casing installed: 6 " Diam. from +1.5 ft. to 210 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☒ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☒ No ☐
Type of perforator used MILLS KNIFE
SIZE of perforations ¼ in. by 3 in.
80 perforations from 188 ft. to 208 ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) **PUMP:** Manufacturer's Name .....
Type: ..... H.P. .....

(8) **WATER LEVELS:** Land-surface elevation above mean sea level .... ft.
Static level 114 ft. below top of well Date 2-4-87
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) **WELL TESTS:** Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 47 Was a chemical analysis made? Yes ☒ No ☐

(10) **WELL LOG:**

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
GRAVEL 3" MINUS	0	89
SAND + SILT	89	100
GRAVEL 1" MINUS	100	115
GRAVEL 1" MINUS *	115	130
COARSE SAND + 1" MINUS GRAVEL *	130	189
MED SAND + 1" MINUS * GRAVEL	189	210

* INDICATES WATER BEARING STRATA

RECEIVED
APR 23 1987
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started JAN 20 19 87 Completed FEB 11 19 87

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)
Address E 3410 9TH AVE SPOKANE
[Signed] Arnold E Holman
(Well Driller)
License No. 0189 Date 3-10 19 87

ECY 050-1-20 4/23/87 (USE ADDITIONAL SHEETS IF NECESSARY)

Stard cd # 31253

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No G3-2704 P.

(1) OWNER: Name VERA WATER + POWER Address P.O. Box 630 VERADALE WA 99037

) LOCATION OF WELL: County SPOKANE — NE ¼ SE ¼ Sec. 23 T. 25 N. R. 44 W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .... # 9
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20 inches.
Drilled 240 ft. Depth of completed well 240 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 20" Diam. from # 2 ft. to 190 ft.
Threaded ☐ ....." Diam. from ..... ft. to ..... ft.
Welded ☒ ....." Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name JOHNSON
Type STAINLESS STEEL Model No. TELESCOPE
Diam. 20 Slot size 150 from 190 ft. to 240 ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 115 ft. below top of well Date 2-12-91
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 2500 gal./min. with 75 ft. drawdown after 1 hrs.
" 3000 " 125 " 2 "
" 4500 " 190 " 8 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	116 11'				
5 MIN	115				

Date of test 2-12-91
Bailer test ..... gal./min. with ..... ft. drawdown after ..... hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water 49° Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
SAND + GRAVEL 3" MIN	0	116
★ SAND + GRAVEL 2" MINUS	116	176
★ CEMENT GRAVEL + SAND HARD	176	193
★ GRAVEL + SAND 2" MINUS	193	231
★ CEMENTED SAND + GRAVEL	231	235
★ GRAVEL + SAND 2" MINUS	235	240

★ INDICATES WATER BEARING STRATA

Work started NOV 29, 1990 Completed FEB 15, 1991

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E 3410 9TH AVE SPOKANE WA 99202

[Signed] Arnold E Holman
(Well Driller)

License No. 0189 Date MARCH 8, 1991

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....
Permit No. 63...22084

(1) OWNER: Name VERA WATER + POWER Address N 601 EVERGREEN VERADALE WA

(2) LOCATION OF WELL: County SPOKANE SE ¼ NE ¼ Sec 23 T 25 N., R 44 W.M.

Bearing and distance from section or subdivision corner 300 FT WEST OF INTERSECTION OF SULLIVAN + 8TH S

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one).... 3
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 20 inches.
Drilled 215 ft. Depth of completed well 215 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 20" Diam. from +2 ft. to 165 ft.
Threaded ☐ ....." Diam. from ..... ft. to ..... ft.
Welded ☒ ....." Diam. from ..... ft. to ..... ft.

Perforations: Yes ☐ No ☒
Type of perforator used .....
SIZE of perforations ..... in. by ..... in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☒ No ☐
Manufacturer's Name U.O.P JOHNSON
Type TELESCOPE Model No. STAINLESS
Diam. 20 Slot size 150 from 165 ft. to 198 ft.
Diam. 20 Slot size 125 from 198 ft. to 215 ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name .....
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level.... .....ft.
Static level 112 ft. below top of well Date 4-2-87
Artesian pressure .....lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Yield: 2500 gal./min. with 10 IN. drawdown after 2 hrs.
" 3500 " 1FT 4IN " 6 "
" 4500 " 1FT 8IN " 7.25 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	113.75				
10SEC	112				

Date of test 4-2-87
Bailer test .....gal./min. with .....ft. drawdown after .....hrs.
Artesian flow .....g.p.m. Date .....
Temperature of water 47° Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
GRAVEL 3" MINUS	0	68
BOULDER AT 52' TO 55'		
GRAVEL 3" MINUS	68	115
GRAVEL 3" MINUS *	115	170
GRAVEL 3" MINUS +		
COARSE SAND *	170	215

* INDICATES WATER BEARING STRATA

RECEIVED
APR 24 1987
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started FEB 17, 19 87 Completed APRIL 6, 19 87

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E 3410 9TH AVE SPOKANE WA

[Signed] Arnold E Holman
(Well Driller)

License No. 0189 Date APRIL 21, 19 87

4/23/87

(USE ADDITIONAL SHEETS IF NECESSARY)

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....

Permit No. 63-27084

(1) OWNER: Name VERA WATER + POWER Address Box 630 SPOKANE WA.

LOCATION OF WELL: County SPOKANE — NE ¼ SW ¼ Sec 26 T 25 N., R 44E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) ~~TEST~~ WELL #2

New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 250 ft. Depth of completed well 250 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from +2 ft. to 250 ft.
Threaded ☐ ..... " Diam. from ..... ft. to ..... ft.
Welded ☒ ..... " Diam. from ..... ft. to ..... ft.

Perforations: Yes ☒ No ☐
Type of perforator used MILLS KNIFE
SIZE of perforations ¼ in. by 2 in.
20 perforations from 175 ft. to 180 ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

Screens: Yes ☐ No ☒
Manufacturer's Name .....
Type ..... Model No .....
Diam. ..... Slot size ..... from ..... ft. to ..... ft.
Diam. ..... Slot size ..... from ..... ft. to ..... ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

Surface seal: Yes ☒ No ☐ To what depth? 20 ft.
Material used in seal NEAT CEMENT
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? ..... Depth of strata .....
Method of sealing strata off .....

(7) PUMP: Manufacturer's Name N/A
Type: ..... H.P. .....

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 133 ft. below top of well Date 1-8-90
Artesian pressure ..... lbs. per square inch Date .....
Artesian water is controlled by ..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? .....
Yield: ..... gal./min. with ..... ft. drawdown after ..... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test .....
Bailer test 10 gal./min. with 0 ft. drawdown after 4 hrs.
Artesian flow ..... g.p.m. Date .....
Temperature of water ..... Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
SAND + GRAVEL 3" MINUS	0	68
SAND COURSE	68	125
SAND MED TO FINE	125	135
SAND + GRAVEL 2" MINUS ★	135	194
SAND MED TO FINE ★	194	
TRACES OF CLAY		218
SAND FINE TRACE OF CLAY ★	218	242
SANDY CLAY	242	244
SAND FINE SOME CLAY ★	244	250

★ INDICATES WATER BEARING ZONE

RECEIVED
JAN -6 1990
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started DEC 12, 19 89 Completed JAN 10, 19 90

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E3410 9TH AVE SPOKANE 4

[Signed] Arnold E Holman
(Well Driller)

License No. 0189 Date 3-2-, 19 90

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES

Appli. #7938

WELL LOG

Record by.....

Source.....

Location: State of WASHINGTON

County Spokane

Area.....

Map.....

NW ¼ NW ¼ sec. 26 T. 25 N., R. 44 E. XX

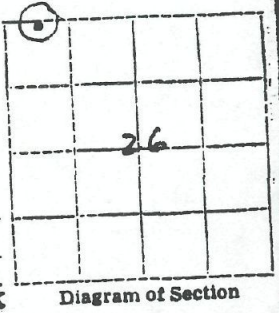


Diagram of Section

Drilling Co.....

Address.....

Method of Drilling Dug Date....., 19.....

Owner Vera Irrigation District #15

Address 601 North Evergreen Road, Veradale, Wash.

Land surface, datum.....ft. above / below

SWL: 157' 11" Date March 14, 1966 Dims.: 6' x 190'

CORRELATION	MATERIAL	From (feet)	To (feet)
	Domestic supply		
	NO LOG AVAILABLE		
	Pump: Deep well turbine		
	Layne Bowler 100 h.p.		
	Peerless 250 h.p.		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet.....of.....sheets

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

No. Decla, #697
Cert. #713-D

Date 1912, 19

Record by W. R. Longacre

Source G. W. Decla. Claim

Location: State of WASHINGTON

County Spokane

Area

Map

NW ¼ NW ¼ sec. 26 T. 25 N., R. 44 E. W.

DIAGRAM OF SECTION

26

Drilling Co.

Address

Method of Drilling dug Date 19

Owner Vera Irrigation District #15

Address Veradale, Wash.

Land surface, datum ft. above / below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	no record		
Pump	Test:		
	Dim: 170' x 6"		
	SWL: 140'		
	Dd: 1'		
	Yield: 1400 g.p.m.		
	Pump: Centrifugal, 1400 g.p.m.		
	Motor: 75 hp, electric		

(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)

Turn up

Sheet of sheets

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. .....
Permit No. 9327084

(1) OWNER: Name VERA WATER + POWER Address N 601 EVERGREEN VERADALE WA

(2) LOCATION OF WELL: County SPOKANE PT TRACT 197- ¼ NE ¼ Sec. 26 T. 25 N., R. 44E W.M.

Bearing and distance from section or subdivision corner 160' N & 168' W of SW COR of PT TRACT 197 VERA

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one) .... #8A
New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6" inches.
Drilled 260 ft. Depth of completed well 260 ft.

(6) CONSTRUCTION DETAILS: WELL ABANDONED
Casing installed: ..." Diam. from ... ft. to ... ft.
Threaded ☐ ..." Diam. from ... ft. to ... ft.
Welded ☐ ..." Diam. from ... ft. to ... ft.

Perforations: Yes ☐ No ☐
Type of perforator used ...
SIZE of perforations ... in. by ... in.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.
... perforations from ... ft. to ... ft.

Screens: Yes ☐ No ☐
Manufacturer's Name ...
Type ... Model No. ...
Diam. ... Slot size ... from ... ft. to ... ft.
Diam. ... Slot size ... from ... ft. to ... ft.

Gravel packed: Yes ☐ No ☐ Size of gravel: ...
Gravel placed from ... ft. to ... ft.

Surface seal: Yes ☐ No ☐ To what depth? ... ft.
Material used in seal ...
Did any strata contain unusable water? Yes ☐ No ☐
Type of water? ... Depth of strata ...
Method of sealing strata off ...

(7) PUMP: Manufacturer's Name ...
Type: ... H.P. ...

(8) WATER LEVELS: Land-surface elevation above mean sea level .... ft.
Static level 130 ft. below top of well Date 9/16/86
Artesian pressure ... lbs. per square inch Date ...
Artesian water is controlled by ... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? ...
Yield: ... gal./min. with ... ft. drawdown after ... hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test ...
Bailer test ... gal./min. with ... ft. drawdown after ... hrs.
Artesian flow ... g.p.m. Date ...
Temperature of water ... Was a chemical analysis made? Yes ☐ No ☒

10/10/86

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
GRAVEL + SAND 1" MINUS	0	130
COARSE SAND + GRAVEL 1" MIN	130	141
COARSE SAND	141	157
PEA GRAVEL + SAND	157	164
MED FINE SAND	164	173
COARSE SAND	173	193
FINE SAND + CLAY	193	219
COARSE SAND	219	229
FINE SAND + CLAY	229	260
* WATER BEARING ZONE		
CASING PULLED - WELL ABANDONED		
WELL BACKFILLED WITH CLORINATED PEA GRAVEL FROM 260 FT TO 135 FT		
NEAT CEMENT SEAL PLACED FROM 135 FT TO 122 FT		
CLORINATED PEA GRAVEL FROM 122 FT TO 20 FT		
DRILLING MUD PLACED FROM 20 FT TO GROUND SURFACE		

OCT - 9 1986
DEPARTMENT OF ECOLOGY
SPOKANE REGIONAL OFFICE

Work started 9/3 1986 Completed 9/26 1986

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLMAN DRILLING CORP
(Person, firm, or corporation) (Type or print)

Address E 3410 9TH AVE SPOKANE WA

[Signed] Arnold E Holman
(Well Driller)

License No. 0189 Date 9/29 1986

(USE ADDITIONAL SHEETS IF NECESSARY)

ECY 050-1-20

3

STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

No. Decla. #696
Cert. #712-D

WELL LOG

Date 1912, 19—

Record by W. R. Longacre

Source G. W. Decla. Claim

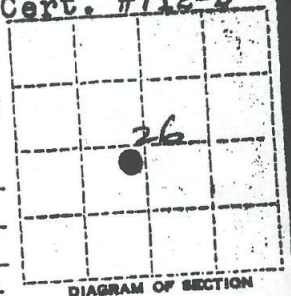


DIAGRAM OF SECTION

Location: State of WASHINGTON

County Spokane

Area

Map

NE ¼ SW¼ sec 26 T. 25 N., R. 44 E. W.

Drilling Co.

Address

Method of Drilling dug Date 19

Owner Vera Irrigation Dist. #15

Address Veradale, Wash.

Land surface, datum ft. above / below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary, in parentheses. If material water-bearing, so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials, list all casings, perforations, screens, etc.)		
	no record		
Pump	Test:		
	Dim: 162.6' x 6'		
	SWL: 132.6'		
	Dd: 3'		
	Yield: 3400 g.p.m.		
	Pump: Turbine, 2000 g.p.m., centri		
	1400 g.p.m.		
	Motor: 150 hp, electric; 75 hp,		
	electric		

Sheet of sheets

Turn up

VERA WATER AND POWER
DETERMINATION OF NONSIGNIFICANCE
WAC 197-11-970

Description of proposal: ***Revision of Water Rights 709-D, 712-D w/change no. 1-3-445, 713-D w/change no. 897, 5471-A, 6672-A, 896-D, 626-A, 995-D, to reflect current use, future plans and integrate the entire system.***

Proponent: ***Vera Water and Power***

Location of proposal, including street address, if any: ***Non-Project Action***

Lead agency: ***Vera Water and Power***

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request

Please comment within 30 days of the date of DNS.

Responsible official: ***Kevin M. Wells, General Manager***
Phone: ***(509) 924-3800***
Address: ***P.O. Box 630 / N. 601 Evergreen, Veradale, Washington 99037***

Date 2-27-97 Signature _____

You may appeal this determination to the District's Board of Directors by filing in writing with the district an appeal no later than April 8, 1997.

Your appeal will be heard at the regular meeting of the Board of Directors scheduled for:

Time: ***7:00 p.m.***
Date: ***April 9, 1997***
Place: ***District Office.***

You should be prepared to make specific factual objections. Contact Kevin Wells at 924-3800 to read or ask about the procedures for appeals.

VERA WATER AND POWER
ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help identify impacts from the proposal and to help decide whether an EIS is required.

A. Background

1. Name of proposed project:

   Revision of Water Rights 709-D, 712-D w/change no. 1-3-445, 713-D w/change no. 897, 5471-A, 6672-A, 896-D, 626-A, 995-D, to reflect current use, future plans and integrate the entire system.

2. Name of applicant:

   VERA WATER & POWER

3. Address and phone number of applicant and contact person:

   Kevin Wells
   P.O. Box 630
   N. 601 Evergreen
   Veradale, Washington 99037-0630

4. Date checklist prepared:

   February 27, 1997

5. Agency requesting checklist:

   Washington State Department of Ecology

6. Proposed timing or schedule (include phasing if applicable):

Application for change and associated paper work will be submitted spring of 1997.

7. Are there any plans for future additions, expansion or further activity related to or connected with this proposal? If yes, explain.

No.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The remaining three water rights of the district have pending applications for change and the associated SEPA documents have been filed.

9. Are there any applications pending for governmental approvals of other proposals directly affecting the property covered by this proposal? If yes, explain.

The remaining three water rights of the district have pending applications for change.

10. List any government approvals or permits that will be required for this proposal.

Washington State Department of Ecology will have to approve the applications for change.

11. Give a brief, complete description of the proposal, including the proposed uses and the size of the project and site.

This is a non project action. The only purpose is to revise existing Water Rights 709-D, 712-D w/change no. 1-3-445, 713-D w/change no. 897, 5471-A, 6672-A, 896-D, 626-A, 995-D, to reflect current use, future plans and integrate the entire system.

12. Give detailed location of the proposal, including any maps that are available.

The water rights are for several withdrawal points in the Spokane Valley area, within the area served by Vera Irrigation District No. 15.

B. Environmental Elements

1. Earth

a. General description of the site (circle one): Flat, rolly, hilly, steep slopes, other:

Not Applicable.

b. What is the steepest slope on the site in percent slope?

Not Applicable.

c. What general types of soils are found on the site, use classification of agricultural soils and note any prime farmland.

Not Applicable.

d. Are there any surface indications or history of unstable soils in the vicinity? If so, describe.

Not Applicable.

e. Describe the purpose, type and approximate quantities of any filling or grading proposed. Indicate the source of fill.

Not Applicable.

f. Could erosion occur as a result of clearing, construction, or use? If so, describe.

Not Applicable.

g. About what percent of the site will be covered with impervious surfaces after the project construction.

Not Applicable.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Not Applicable.

2. Air

a. What types of emissions to the air would result from the proposal during the construction and when the project is completed? If any, describe and give quantities if known.

Not Applicable.

b. Are there any off-site emissions or odor that may affect the proposal? If so, describe.

Not Applicable.

c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

Not Applicable.

3. Water

a. Surface

1. Is there any surface water body on or in the immediate vicinity of the site?

Not Applicable.

Evaluation for Agency Use Only

2. Will the project require any work over, in, or adjacent to the described waters? If yes, please describe.

Not applicable.

3. Estimate the amount of fill and dredge material that would be placed in or removed from the surface water or wet lands and indicate the area of the site that would be affected. Indicate the source of the fill material.

Not applicable.

4. Will the proposal require surface water withdrawals or diversions? Give description, purpose, and approximate quantities if known.

Not Applicable.

5. Does the proposal lie within the 100-year floodplain? If so, note location on the site plan.

Not Applicable.

6. Does the proposal involve any discharges of waste materials to surface waters? If so, explain.

Not Applicable.

b. Ground

1. Will ground water be withdrawn, or will water be discharged to ground water? Give description, purpose, and approximate quantities if known.

Not Applicable.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any. Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

Not Applicable.

c. Water Runoff

1. Describe the source of runoff (including storm water) and method of collection and disposal, if any. Where will this water flow? Will this water flow into other waters? If so, describe.

Not Applicable.

2. Could waste materials enter ground or surface waters? If so, describe.

Not Applicable.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any.

Not Applicable.

4. Plants

a. Check the types of vegetation found on the site:

___ deciduous tree: alder, maple, aspen, other
___ evergreen tree: fir, cedar, pine, other
___ shrubs
___ grass
___ pasture
___ crop or grain
___ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
___ water plants: water lily, eelgrass, milfoil, other
___ other types of vegetation

Evaluation for Agency Use Only

b. What kind and amount of vegetation will be removed or altered?

Not Applicable.

c. List threatened or endangered species known to be on or near the site.

Not Applicable.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Not Applicable.

5. Animals

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawks, heron, eagle, songbirds, other:

Not Applicable.

mammals: deer, bear, elk, beaver, other:

Not Applicable.

fish: bass, salmon, trout, herring, shellfish, other:

Not Applicable.

b. List any threatened or endangered species known to be on or near the site.

Not Applicable.

c. Is the site part of a migration route? If so, explain.

Not Applicable.

d. Proposed measures to preserve or enhance wildlife, if any:

Not Applicable.

6. Energy and Natural Resources

a. What kinds of energy will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Not Applicable.

b. Would the project affect the potential use of solar energy by adjacent properties? If so, describe.

Not Applicable.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Not Applicable.

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill or hazardous waste, that could occur as a result of this proposal? If so, describe.

Not Applicable.

1. Describe special emergency services that might be required.

Not Applicable.

2. Proposed measures to reduce or control environmental health hazards, if any.

Not Applicable.

b. Noise

1. What types of noise exist in the area which may affect the project?

Not Applicable.

2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis? Indicate what hours noise would come from the site.

Not Applicable.

3. Proposed measures to reduce or control noise impacts, if any:

Not Applicable.

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

Not Applicable.

b. Has the site been used for agriculture? If so, describe.

Not Applicable.

c. Describe any structures on the site.

Not Applicable.

d. Will any structures be demolished? If so, what?

Not Applicable.

e. What is the current zoning classification of the site?

Not Applicable.

f. What is the current comprehensive plan designation of the site?

Not Applicable.

g. If applicable, what is the current shoreline master program designation of the site?

Not Applicable.

h. Has any part of the site been classified as an " environmentally sensitive " area? If so, specify.

Not Applicable.

i. Approximately how many people would reside or work in the completed project?

Not Applicable.

j. Approximately how many people would the completed project displace?

Not Applicable.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not Applicable.

l. Proposed measures to ensure the proposal is compatible with the existing and projected land use and plans, if any:

Not Applicable.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

Not Applicable.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

Not Applicable.

c. Proposed measures to reduce or control housing impacts, if any:

Not Applicable.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas. What is the proposed principal exterior building material(s)?

Not Applicable.

b. What views in the immediate vicinity would be altered or obstructed?

Not Applicable.

c. Proposed measures to reduce or control aesthetic impacts, if any:

Not Applicable.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Not Applicable.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No increase in hazards or further degradation of views should result from this project.

c. What existing off-site sources of light or glare may affect the proposal?

Not Applicable.

d. Proposed measures to reduce or control light and glare impacts, if any:

Not Applicable.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

Not Applicable.

b. Would the proposed project displace any existing recreational uses? If so, describe.

Not Applicable.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project, if any:

Not Applicable.

13. Historic and Cultural Preservation

a. Are there any places or objects listed on or proposed for national, state, or local preservation registrars known to be on or next to the site? If so, describe.

Not Applicable.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

Not Applicable.

c. Proposed measures to reduce or control impacts, if any:

Not Applicable.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans.

Not Applicable.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

Not Applicable.

c. How many parking spaces would the project have when completed? How many would the project eliminate?

Not Applicable.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe.

Not Applicable.

e. Will the project use water, rail, or air transportation? If so, describe.

Not Applicable.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Not Applicable.

g. Proposed measures to reduce or control transportation impacts, if any:

Not Applicable.

15. Public Service

a. Would the project result in an increased need for public services? If so, describe.

Not Applicable.

b. Proposed measures to reduce or control direct impacts on public services, if any:

Not Applicable.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

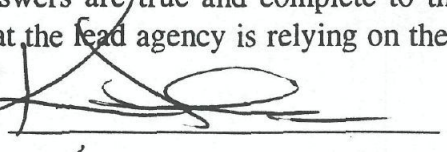
Not Applicable.

b. Describe the utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity which might be needed.

Not Applicable.

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:  Date: 2-27-97

Name: Kevin Wells

VERA WATER AND POWER SUPPLEMENTAL CHECKLIST FOR NONPROJECT ACTIONS

D. Supplemental Checklist for Nonproject Actions

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

   The alteration of the water rights to reflect the existing conditions and to integrate the system will have no affect on the environment. This action will simply reflect existing operating conditions. These conditions have resulted after several years of construction, drought response and changing water conditions.

   The inclusion of the property that we have purchased for future well sites and the identification of the potential wells will have no affect. This property is owned by Vera and is currently used for storage, parking or landscaping. No current use will change as a result of including these sites in our permits. If any actual proposals to drill wells are made, they will require their own, individual environmental checklists and determinations of significance.

The inclusion of the projections for 20 year needs for instantaneous and annual withdrawal rates will not alter the environment. These projections will not change the amount of water pumped over the next twenty years by one single gallon. The projections are simply a reflection of current zoning rules, population change projections and the local economy. This will simply provide a planning tool for the agencies responsible for coordinating water use.

Proposed measures to avoid or reduce such increases are:

Not Required.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

The proposal will not degrade the conditions faced by the local wildlife, no construction is anticipated in this action. The permits indicate future possibilities, should any of these become reality, it will require the completion of an environmental review at that time.

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

Not Required.

3. How would the proposal be likely to deplete energy or natural resources?

No action is contemplated is this application. Should any action be required in the future, it will require the completion of an environmental review at that time, which will review energy requirements.

Proposed measures to protect or conserve energy and natural resources are:

Not Required.

4. How would the proposal be likely to use or affect environmentally sensitive areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

No.

Proposed measures to protest such resources or to avoid or reduce impacts are:

Not Applicable.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

No action is contemplated is this application. Should any action be required in the future, it will require the completion of an environmental review at that time, which will and land uses.

Proposed measures to avoid or reduce shoreline and land use impacts:

None.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

No.

Proposed measures to reduce or respond to such demand(s) are:

None.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

No conflict is anticipated.

LIST OF AFFECTED AGENCIES

SEPA Check List and Determination sent to these individuals/agencies for this action.

Washington State Department of Ecology
Environmental Review Section
Mail Stop PV-11
Olympia, WA 97504-8711

Ms. Susan Winchell, Planner
Boundary Review Board
721 North Jefferson St. - Room 401
Spokane, WA 99260-0040

Mr. Tom Davis
Spokane County Planning Department
1026 West Broadway
Spokane, WA 99260-0040

Mr. Bruce Rawls, Director
Spokane County Utilities Division
1026 West Broadway
Spokane, WA 99260-0040

Mr. Bill Johns, County Engineer
Spokane County Engineering Division
1026 West Broadway
Spokane, WA 99260-0040

Environmental Health
Spokane Regional Health District
1101 West College Avenue
Spokane, WA 99260

Mr. Thomas Wells
Washington State Department of Health
Water Supply and Waste Unit
924 West Sinto Avenue - Room 300
Spokane, WA 99201